



Patent  
Attorney's Docket No. 027557-081

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Hans CAVANDER et al. ) Group Art Unit: 2613  
Application No.: 09/993,569 ) Examiner: Unassigned  
Filed: November 27, 2001 )  
For: MOBILE COMMUNICATIONS )  
DEVICE )

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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

**United Kingdom Search Report issued in connection with Application  
No. GB 0028870.4, dated August 30, 2001:**

U.S. Patent No. 5,579,338, issued to Kojima, November 26, 1996.

PCT Patent Publication No. WO00/64066, October 26, 2000.

PCT Patent Publication No. WO99/41846, August 19, 1999.

Also enclosed are the following:

European Patent Publication No. EP 0884856 A2, December 16, 1998.

Patent abstract (English translation) associated with Japanese Patent Publication  
No. JP 9-51288, February 18, 1997.

Patent abstract (English translation) associated with French Patent Publication  
No. FR 2748876 A1, November 21, 1997.

U.S. Patent No. 5,644,591, issued to Sutton, July 1, 1997.

European Patent Publication No. EP 0838910 A2, April 29, 1998.

Patent abstract (English translation) associated with Japanese Patent Publication  
No. JP 10-173632, June 26, 1998.

Patent abstract (English translation) associated with Japanese Patent Publication  
No. JP 9-321663, December 12, 1997.

Patent abstract (English translation) associated with Japanese Patent Publication  
No. JP 10-210004, August 7, 1998.

Patent abstract (English translation) associated with Japanese Patent Publication  
No. JP 9-116522, May 2, 1997.

Patent abstract (English translation) associated with Japanese Patent Publication  
No. JP 10-200447, July 31, 1998.

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or statement is required under 37 C.F.R. § 1.97(b).

This Information Disclosure Statement contains information that is not in the English language. English language abstracts of these documents are being provided in order to indicate the relevance of these documents.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

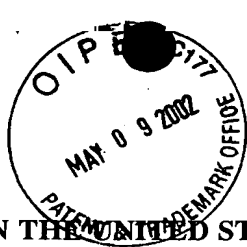
Respectfully submitted,

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By: 

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**INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed for the fee due.


The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

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Date: May 9, 2002





INVESTOR IN PEOPLE

Application No: GB 0028870.4  
Claims searched: 1-11

Examiner: John Betts  
Date of search: 30 August 2001

## Patents Act 1977 Search Report under Section 17

### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S): H4L (LDSS, LRPTC, LBSX) H4P( PDCSS, PDCSL)

Int Cl (Ed.7): H04B 7/216 1/69 1/707 7/26 H04J 13/02, 13/04 H04L 7/04

Other: On-line: WPI, EPODOC, JAPIO

### Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	US5579338 (Mitsubishi) see Fig 2	1,3,7 at least
X	WO00/64066 A (Ericsson) see Fig 3b	1,3,7 at least
X	WO99/41846 A (Ericsson GE) see Figs 8a-8c	1,3,7 at least

X Document indicating lack of novelty or inventive step  
Y Document indicating lack of inventive step if combined with one or more other documents of same category.

& Member of the same patent family

A Document indicating technological background and/or state of the art.  
P Document published on or after the declared priority date but before the filing date of this invention.  
E Patent document published on or after, but with priority date earlier than, the filing date of this application.